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Claim 1. (currently amended) An apparatus for monitoring the level of fluid in a vessel, with no mechanical moving parts, at a remote location, providing an incremental display and data output for process control, if required.

Claim 2. (currently amended) An apparatus according to claim 1 wherein the system will operate in a remote location without a local source of power.

Claim 3. (currently amended) An apparatus according to claim 1 wherein the probe shall be custom made to individual requirements and the display shall be in 10, 10% increments of full capacity. The display/electronics box may be an integral part of the probe assembly or connected to the probe via a standard DB25 cable in excess of 300 feet if required.

Claim 4. (currently amended) An apparatus in any one of claims 1,2, or 3 wherein the cost of production would be inexpensive.